



Human Resources

DATE POSTED: **December 22, 2005**

REQ. # 05-318

**NOTICE OF JOB OPENING
ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS
EQUAL OPPORTUNITY EMPLOYER**

2300 Virginia Avenue Fort Pierce, FL 34982 – 5652

Telephone (772) 462-1546 Jobline (772) 462-1967

<http://co.st-lucie.fl.us>

This position must be posted for at least five (5) working days from **12-22-2005** TO **12-30-2005**, but will remain open until filled.

DEPARTMENT/DIVISION
MOSQUITO CONTROL

POSITION AVAILABLE
INSPECTION MANAGER

OF OPENINGS
1

STARTING SALARY
\$40,577.06 / year

COMMENTS
Driving Position

VETERANS PREFERENCE
It is the policy of St. Lucie County to give preference to eligible veterans and spouses of veterans in appointment and retention in county employment positions in accordance with Chapter 295, Florida Statutes, and Chapter 22VP-1, Florida Administrative Code. Copies of Chapter 295 and Chapter 22VP-1 are available for review in the Human Resources Department.

JOB CODE: 829

PAY GRADE: 21

SALARY RANGE: \$40,577.06 – \$66,757.18

INSPECTION MANAGER

MAJOR FUNCTION: Professional biologist providing District supervision for the following programs/activities; inspection; ground adulticiding; arboviral; database management; GIS/GPS programming; within a major mosquito control program.

KNOWLEDGE, ABILITIES AND SKILLS NEEDED IN ORDER TO PERFORM THE ESSENTIAL JOB FUNCTIONS:

Knowledge: Knowledge of the concepts of biology, with emphasis in research entomology, invertebrate biology and aquatic sciences. Knowledge of management and supervisory techniques for mosquito control district inspection programs. Knowledge of research protocols and technical background related to biological monitoring of mosquitoes and other pestiferous arthropods. Knowledge of swamps, marshes, agricultural and urban mosquito-breeding areas, waste disposal areas and other mosquito or wetland habitats. Knowledge of data collection and database management techniques, including a working knowledge of applicable statistical interpretation procedures. Knowledge of computers, computer programs, especially database programming, GIS programming, and GPS programming and interpretation, as well as, vehicle-mounted computer spray system management devices. Knowledge of safe handling of insecticides and other pesticides, and their uses.

Abilities: Ability to conceive, design, carry out and report results on scientific research. Ability to oversee inspection, ground adulticiding, arboviral monitoring, database management, and GIS/GPS programs. Ability to provide written and/or oral instructions and reports of scientific findings and monitoring data, to local, state and federal agencies. Ability to manage computer software issues and programming, including; word processors, spreadsheets, statistical packages, GIS/GPS, vehicle spray systems management devices and databases. Ability to interact with the public in a professional manner.

ESSENTIAL JOB FUNCTION: Professional biologist providing District supervision for the following programs/activities; inspection; ground adulticiding; arboviral monitoring; database management; GIS/GPS programming; within a major mosquito control program. Design and implement monitoring programs designed to evaluate arthropod pest species populations. Evaluate the effects of meteorological and hydrological phenomena upon mosquito production and arbovirus transmission. Investigate the environmental impact of various mosquito control measures. Assist in evaluating research and grant proposals, aid in development of RFP's and obtain biological and planning data for grants. Conduct and oversee studies on insecticide efficacy, resistance, non-target impacts and application techniques, which are employed for larviciding and adulticiding. Prepare written and oral reports on the results of monitoring studies for governmental and professional organizations. Manage computer hardware and software issues (including programming), including; word processors, spreadsheets, statistical packages, GIS/GPS, vehicle spray systems management devices and databases. Participate in training and instruct subordinates concerning county, state and federal safety regulations; including the OSHA, MSDS program, vehicle safety and equipment safety. Perform related work as requested or assigned.

ESSENTIAL PHYSICAL SKILLS: Physical strength and agility sufficient to perform inspection tasks under varying weather conditions and work exceptional hours during an emergency. Constant walking, standing, use of both hands and fingers, very frequent light lifting (30 lbs. or less), frequent heavy lifting (30+ lbs.). Very frequent light carrying (30 lbs or less), reaching above the shoulders, kneeling, sitting, bending and squatting. Good vision and hearing with or without correction.

ENVIRONMENTAL CONDITION REQUIREMENTS: Indoor duties are required for using a microscope, data processing and analysis scheduling and various meetings. Frequent work outside under adverse weather conditions of cold, heat, humidity, rain, lightning, and perform duties in and around, wastewater facilities, ditches, saltwater and freshwater wetlands, and saltwater, etc..

WORK HAZARDS: Outside work is often in harsh environments such as wetlands, ditches, canals, and orange groves, while being subjected to long periods of high sunlight and high temperatures, and where mosquitoes, sandflies and other nuisance arthropods are abundant. Handling of pesticides and other chemicals is required and involves potential physical reactions per label and MSDS statements. Other hazards encountered may include snakes (some poisonous), spiders, wasps, ants, bees and toxic plants (poison ivy, etc.), which occur in natural environments. Physical work may include heavy lifting of over 30 lbs. Field inspections and studies include penetrating dense vegetation, wading through mud and water, over uneven terrain with more or less hidden dangers of obscured stumps or trees or sticks and often unseen holes and depressions. Normal hazards involved in use of electrically-operated equipment, and carrying scientific equipment.

SAFETY EQUIPMENT USED OR NEEDED: MSDS, Chemical Hygiene Plan, Chemical Spill Procedures Manual, helmet, gloves, goggles, wetsuit, respirators, earplugs, boots, diving boots, lifting belts, chaps and appropriate clothing protection.

EDUCATION: Master's Degree from an accredited college or university with major work in the field of biological science.

EXPERIENCE: Five years of experience in designing, carrying out, evaluating and reporting the results of scientific studies as professional biologist is necessary. Five years experience in supervision is also sought. Experience in preparing written and oral reports on the results of monitoring studies for governmental and professional organizations, and managing computer hardware and software issues (including programming), including; word processors, spreadsheets, statistical packages, GIS/GPS, vehicle spray systems management devices and databases, is required. Experience in training and instructing subordinates concerning county, state and federal safety regulations; including the OSHA, MSDS program, vehicle safety and equipment safety.

LICENSE, CERTIFICATION OR REGISTRATION: Must maintain a Florida Public Health Pest Control License. Must possess a valid Florida drivers license (CDL Classes A, B, C or Class D) and maintain a good driving record.

Union	Non-Union ✓	Exempt ✓	Non-Exempt
-------	-------------	----------	------------

Revised 08/2005